

(SF -2236)

PROBLEMS OF EVOLUTIONARY MORPHOLOGY OF THE
CELL IN THE LIGHT OF DATA FROM ELECTRON
MICROSCOPY, BY A. N. STUDITSKIY, 45 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I
EMBIOLOGII, VOL XLIII, NO 3, 1962, PP 3-29.

JPRS 14719

SCI - BIOLOGY

AUG 62

205,985

Kushelova, T. F. MORPHOLOGY OF CARDIAC GANGLIA IN THE CAT. [1963] [11p] (figs omitted) 26refs FASEB Manuscript no. S 122-3. Order from OTS or SLA \$1.60 figs available on loan from OTS	TT-63-23908	TT-63-23906
Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 3, p. 55-60. (Abstract available)		1. Title: Precordium I. Kushelova, T. F. II. FASEB S-122-3 III. Federation of American Societies for Experi- mental Biology, Washington, D. C. IV. Scripta Technica, Inc., Washington, D. C.
DESCRIPTORS: *Ganglia, Cells (Biology), *Nerve cells, Nervous system, Heart, *Autonomic nervous system, Morphology		Office of Technical Services
In this study of the neurons of the cardiac ganglia of the precordium, three distinct types of cells were isolated. Type I are identified as multipolar motor neurons. The pericellular apparatus of these cells consists of tiny knobs and loops under the capsule of the neuron. These (Biological Sciences--Anatomy, TT, v. 11, no. 8) over)		

Anatomy of Bronchopulmonary Segments and Collateral
Respiration in the Lung, by A. I. Klembovskiy. 7/14

RUSSIAN, per, Archiv Anat., Vol XLII, 1962,
pp 61-69. 1

NIH 3-24-63

Sci - Biol/Med Sci

Jul 63

235, 626

Finkel'shtein, M. O.
VEINS OF THE MUCOSA OF THE HUMAN TONGUE,
[1963] [8]p. 5 refs. FASEB manuscript no. S 124-2.
Order from OTS or SLA \$1.10 63-19372

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 42, no. 3, p. 108-114.

DESCRIPTORS: *Veins, *Membranes (Biology),
*Mucus, *Tongue, Man.

(Biological Sciences--Anatomy, TT, v. 10, no. 5)

63-19372

- I. Finkel'shtein, M. O.
- II. FASEB S-124-2
- III. Federation of American Societies for Experimental Biology, Washington, D.C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

(DC-6932)

SOME PROBLEMS IN RADIATION HISTOLOGY, BY
V. P. MIKHAYLOV, 46 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII
EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 3-24.

JPRS 15018

SCI - MED

SEPT 62

209,419

(DC-6932)

THE REPAIR ~~X~~ OF RADIATION LESIONS IN THE
DEVELOPING NERVOUS SYSTEM, BY A. A. MANINA,
17 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII
EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 25-33.

JPRS 15018

SCI - MED
SEPT 62

209,420

(DC-6932)

MORPHOLOGICAL IMPAIRMENT OF BONE MARROW INNERVATIONS
IN THE EARLY STAGES OF ACUTE RADIATION SICKNESS,
BY A. A. OTELIN, 9 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII
EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 34-38.

JPRS ~~XKXX~~ 15018

SCI - MED

SEPT 62

209,421

(DC-6932)

AN ELECTRON MICROSCOPIC STUDY OF NORMAL AND
IRRADIATED STRIATED MUSCLE TISSUE DURING THE
PROCESS OF REGENERATION, BY G. V. YELYAKOVA, 10 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I
EMBRIOLOGII, VOL XLIII, NO 4, 1962, PP 39-42.\$

JPRS ~~XMB~~ 15018

SCI - MED

SEPT 62

209,422

(DC-6932)

POST-TRAUMATIC REGENERATION OF THE MUCOUS
MEMBRANE OF THE SMALL INTESTINE DURING RADIATION
SICKNESS, BY YE. V. DMITRIYEVA, 15 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII
EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 43-52.

JPRS ~~XXXXXXXXXX~~ 15018

SCI - MED

SEPT 62

2X 209,423

(DC-6932)

HISTOLOGICAL CHANGES IN THE EPIDERMIS AFTER
EXTENSIVE BURNS DURING ACUTE RADIATION STUNNESS,
BY L. B. BERLIN, SPP.

RUSSIAN, PER, ARKHIIV ANATOMII, QISTOLOGII I
EMBRIOLOGII, VOL XII, NO 4, 1962, PP 53-58.

JPRS 15018

SCI - MED

AUG 62

209,424

~~SECRET~~

(RG-6232)

THE PROBLEM OF ANTOXIC STATE OF THE COLLAGEN
TISSUES OF THE THYROID GLAND DURING ACUTE
RADIATION SICKNESS, BY YU. P. KHURAB,
18 PP.

RUSSIAN, PER, ARKHIV ANATOMI, GISTOLOGII
ENDOKRINOLOGII, VOL XLII, NO 4, 1922, PP 53-66.

JPMB 15018

SCI - MED
SEPT. 62

203,405

(SAC-6932)

THE EFFECT OF A SINGLE IRRADIATION BY LARGE
DOSES OF X-RAYS ON HUMAN AND MICE CELLS
CULTIVATED FOR LONG PERIODS OF TIME IN VITRO, BY
U. MIK, 9 PP.

RUSSIAN, PER, ANTONY ANTONOV, ONCOLOGIST
ONCOLOGI, VOL 20(1), NO 4, 1968, PP 67-72.

JPSB 19318

SCI - MED

AUG 62

209-346

(DC-6932)

A COMPARATIVE STUDY OF RADIATION INJURY OF
MALE AND FEMALE GAMETES IN THE PATHOGENESIS OF
EMBRYO-PATHOLOGIES OF RATS, BY YE. A. POZHIDAYEV,
7 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII
EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 73-76.

JPRS 15018

SCI - MED

AUG 62

209 427

(DC-6932)

CHANGES IN THE LYMPHATIC BED OF THE MAMMARY
GLAND OF WOMEN UNDER ~~X~~ THE EFFECT OF RADIATION
THERAPY, BY L. I. GORDEYEVA, 9 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII
EMBRIOLOGII, VOL XLII, NO 4, 1962, PP 77-81.

JPRS 15018

SCI - MED

AUG 62

209,4278

(DC-6932)

CHANGES IN THE INTRAORGANIC LYMPHATIC SYSTEM OF
LYMPHOID FORMATIONS IN RABBITS DURING RADIATION
SICKNESS, BY K. A. MALKHAZOVA, V. N. BALASHEV,
7 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I
EMBRIOLOGII, VOL XLIII, NO 4, 1962, PP 83-87.

JPRS 15018

SCI - MED
SEP 62

209,429

(DC-6932)

A STUDY OF REDUCED CIRCULATION OF THE PELVIC
REGION OF RABBITS DUE TO THE USE OF RADIO-
ACTIVE PHOSPHORUS, BY M. V. LES'KIV, 8 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I
EMBRIOLOGII VOL XLII, NO 4, 1962, PP 88-92.

JPRS 15018

SCI - MED

SEPT 62

209,430

(NY-774)

NERVE REGENERATION AND THE PROBLEM OF
RESTORATION OF ITS FUNCTION, BY L. I. FALIN,
16 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII
EMBRIOLOGII, VOL XLII, NO 5, 1962, PP 3-13.

JPRS 14825

SCI - MEDICINE

AUG 62

207,084

Ptukhov, M. P.
ENDOTHELIUM OF THE CARDIAC VALVES IN THE
CAT, DOG, AND MONKEY. [1963] [11] p. 11 refs.
FASEB manuscript no. S 193-2.
Order from OTS or SLA \$1.60 63-23048
Figs. available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 42, no. 5, p. 29-34.

DESCRIPTORS: *Epithelium, *Heart, Cats, Dogs,
Primates, Tissues (Biology), Cells (Biology),
Regeneration.

The valvular endothelium of every subject examined
showed small-celled islets with a large number of
amitoses. The fact that the small-celled islets and
numerous amitotically dividing nuclei and cells are
constantly present in the endothelium of the cardiac
valves indicates high physiological regeneration
(Biological Sciences--Physiology, TT, v. 10, no. 7)
(over)

63-23048

- I. Ptukhov, M. P.
- II. FASEB S-193-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Sviridov, A. I.
FUNCTIONAL MORPHOLOGY OF THE PERIVASCULAR LYMPHATICS IN THE VERTEBRATES. [1963]
[11]p. 12 refs. FASEB manuscript no. S 194-2.
Order from OTS or SLA \$1.60 63-23047
Figs. available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 42, no. 5, p. 83-88.

DESCRIPTORS: Physiology, Morphology, *Lymph,
*Lymphatic system, *Blood circulation, Animals,
Histology.

Perivascular lymphatics in the vertebrates show no definite organ localization. Their presence in various organs is not associated with animal taxonomic groups but is a result of particular anatomical relationships obtaining locally. Perivascular lymphatics are found in sites where the serous or mucous membranes containing the primary lymph plexuses are only loosely (Biological Sciences--Physiology, TT, v. 10, no. 7)
(over)

63-23047

1. Title: Vertebrates
1. Sviridov, A. I.
- II. FASEB S-194-2
- III. Federation of American Societies for Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Gryaznova, A. V.
LIGATION OF THE THORACIC DUCT IN DOGS. 1963,
5p
Order from FASEB In Federation Proceedings, 1963,
v. 22, no. 5, pt. 2, \$2.00

Trans. of Arkhiv Anatomi, Gistologii i Embriologii
(USSR) 1962, v. 42, no. 5, p. 90-[97].

DESCRIPTORS: *Obstruction (Physiology), Dogs,
*Lymphatic system, *Lymph, Anatomy, Circulatory
system

TT-63-17973-5
(p. T886-T890)

1. Title: Lymphatic circulation
2. Title: Thoracic duct
1. Gryaznova, A. V.
- II. Federation of American Societies for Experimental Biology, Washington, D. C.

(Biological Sciences, TT, v. 11, no. 1)

Office of Technical Services

Some Protective-Adaptive Mechanisms of Air-Carrying
Pathways Under Conditions of Air Dust Pollution,
by F. D. Filatova, 28 pp.

RUSSIAN, par, Arkhiv Anatomii, Gistologii, i
Embriologii, Vol XLII, No 6, 1962, pp 3-23.

JPRS 15823

Sci - Med

117,002

Oct 62

Khadzhielimovich, Kh.
POSITION OF THE POSTERIOR SEMICIRCULAR
CANAL IN MAN. [1963] [7p] 14refs FASEB Manu-
script no.: S 157-2.
Order from CTS, SLA, or ETC \$1.10 TT-63-24470

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 42, no. 6, p. 84-87.

DESCRIPTORS: *Ear, Bone, Head.

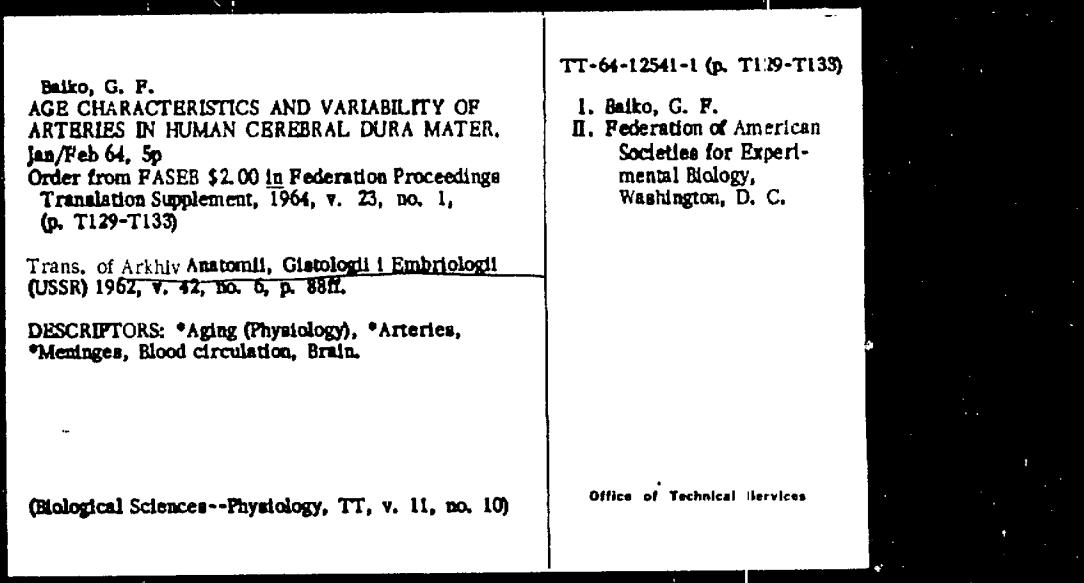
Descriptions are given of the position of the posterior semicircular canals in the pyramids of the temporal bone on both sides of the same skull and also in different skulls.

(Biological Sciences--Anatomy, TT, v. 11, no. 6)

TT-63-24470

- I. Khadzhielimovich, Kh.
- II. FASEB-S-157-2
- III. Federation of American Societies for Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services



Skobelkin, O. K.

REGENERATION OF THE WALL OF THE AORTA
FOLLOWING GRAFTING WITH A DMPHRAGMATIC
PATCH. [1963] [17p] 13refs FASEB manuscript
no. S 159-2.

Order from OTS, SLA, or ETC \$1.60 TT-64-13506

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 42, no. 6, p. 97-102.

DESCRIPTORS: Regeneration, *Aorta, *Plastic surgery,
Transplantation, *Diaphragm.

(Biological Sciences--Surgery, TT, v. 11, no. 8)

TT-64-13506

- I. Skobelkin, O. K.
- II. FASEB-S-159-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Sokolov, V. B.

THE FUNCTIONAL IMPORTANCE OF THE NERVES
OF THE LIGAMENTA DENTICULATA OF THE
SPINAL CORD. [1963] [18]p. 15 refs. FASEB manu-
script no. S 198-2
Order from OTS or SLA \$1.60

63-23046

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 43, no. 8, p. 35-42.

DESCRIPTORS: Physiology, *Nerves, *Spinal cord,
Morphology, *Autonomic nervous system, Histology.

The comparison of the morphological findings with the
results of the experimental physiological study of the
functional importance of the nerves of the ligamenta
denticulata of the spinal cord shows that these liga-
ments form one of the ways by which preganglionic
sympathetic fibers leave the spinal cord for the peri-
(Biological Sciences--Physiology, TT, v. 10, no. 7)
(over)

63-23046

- I. Title: Ligamentum denticulata
- II. Sokolov, V. B.
- III. FASEB S-198-2
- IV. Federation of American Societies for Experimental Biology, Washington, D. C.
- V. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Akmaev, I. G.
CHANGES IN ADENOHYPOPHYSIS FOLLOWING
EXCISION OF SUPERIOR CERVICAL SPINAL
GANGLIA. Jan/Feb 64, 5p
Order from FASEB \$2.00 in Federation Proceedings
Translation Supplement, 1964, v. 23, no. 1
(p. T117-T121)

Trans. of Arkhiv Anatomii, Cistologii i Embriologii
(USSR) 1962, v. 43, no. 9, p. 23ff.

DESCRIPTORS: Endocrine glands, *Pituitary gland,
Excision, *Ganglia, Secretion, *Autonomic nervous
system, *Hormones.

(Biological Sciences--Physiology, TT, v. 11, no. 10)

TT-64-12541-1 (p. T117-T121)

I. Akmaev, I. G.
II. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.

Office of Technical Services

<p>Prilmak, E. Kh. MORPHOLOGICAL AND FUNCTIONAL FEATURES OF THE CELLS OF THE CERVICOThoracic PARAGANGLIA IN RELATION TO THEIR DIFFER- ENTIATION. [1963] [25p] 40refs FASEB Manuscript no.: S 393-2. Order from OTS, SLA, or ETC \$2.60 TT-63-24520 figs. available on loan from OTS Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 9, p. 66-75. (Abstract available)</p> <p>DESCRIPTORS: Morphology (Biology), Cells (Biology), *Ganglia, *Autonomic nervous system, Physiology, *Chemoreceptors.</p> <p>The paper contains a critical evaluation of data obtained by the author for the source of the specific cells of the cervicothoracic paraganglia in birds and mammals and attempts to explain some of the morphological and (Biological Sciences--Anatomy, TT, v. 11, no. 7)(over)</p>	<p>TT-63-24520</p> <p>I. Prilmak, E. Kh. II. FASEB-S-393-2 III. Federation of American Societies for Experi- mental Biology, Washington, D. C. IV. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>
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Pchelyakov, V. F.
EARLY STAGES IN THE DEVELOPMENT OF THE
EYELIDS IN MAN. [1963] [12p] 12refs FASEB
Manuscript no. : S 394-2.
Order from OTS, SLA, or ETC \$1.60 TT-63-24521
figs. available on loan from OTS
Trans. of Arkhiv Anatomi, Gistologii i Embriologii
(USSR) 1962, v. 43, no. 9, p. 83-87.

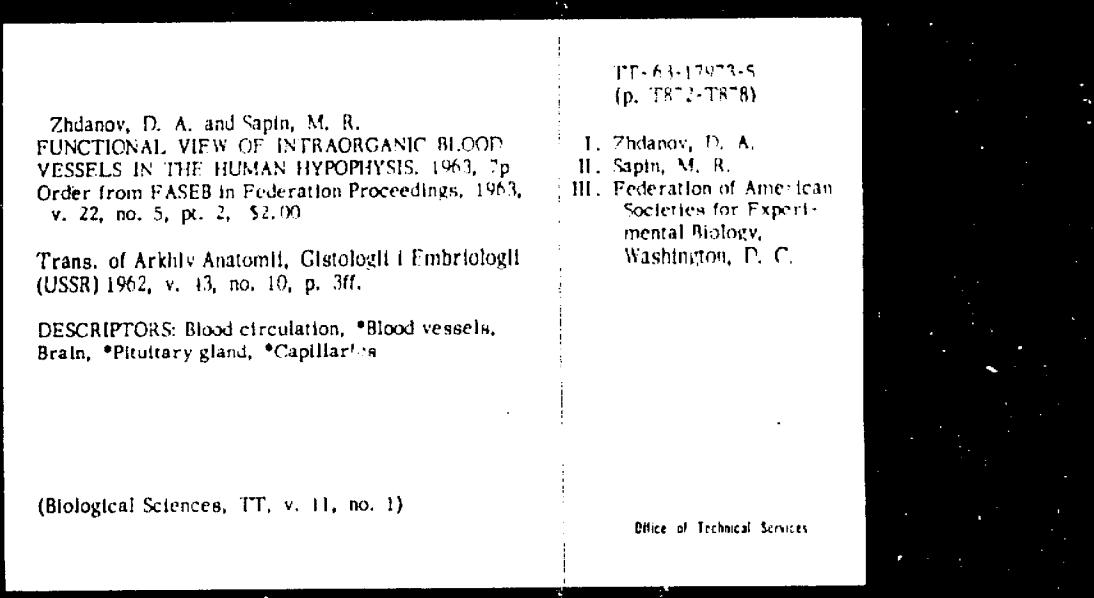
DESCRIPTORS: *Eye, *Embryology, Man.

(Biological Sciences--Anatomy, TT, v. 11, no. 6)

TT-63-24521

1. Title: Eyelids
- I. Pchelyakov, V. F.
- II. FASEB-S-394-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services



Kapustina, E. V.
THE ARTERIAL BLOOD SUPPLY OF HEPATIC
LOBULES. [1963] [44p] (figs omitted) 21refs FASEB
Manuscript no. S449-2.
Order from OTS, SLA or ETC \$4.60 TT-63-23883
figs available on loan from OTS

Trans. of *Arkhiv Anatomii, Gistologii i Embriologii*
(USSR) 1962, v. 43, no. 10, p. 19-35.

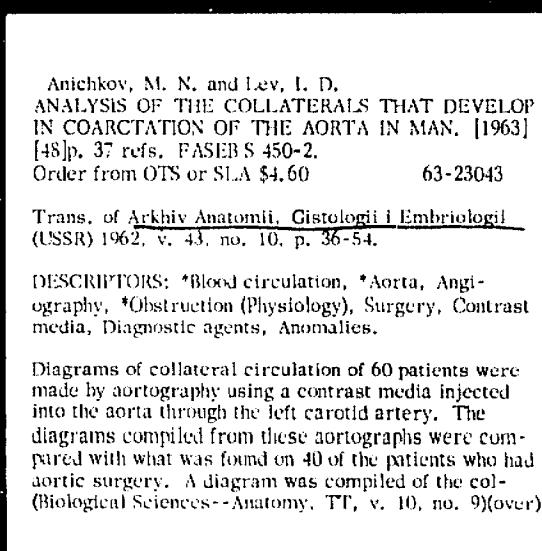
DESCRIPTORS: *Blood circulation, Arteries, *Liver,
Capillaries.

(Biological Sciences--Anatomy, TT, v. 11, no. 3)

TT- 63-23883

- I. Kapustina, E. V.
- II. FASEB S-449-2
- III. Federation of American
Societies for Experimental
Biology,
Washington, D. C.
- IV. Scripta Technica Inc.,
Washington, D. C.

Office of Technical Services



63-23043

1. Title: Coarctation
2. Title: Collateral circulation
1. Anichkov, M. N.
- II. Lev, I. D.
- III. FASEB S-450-2
- IV. Federation of American Societies for Experimental Biology, Washington, D. C.
- V. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Bardina, R. A.

ALTERATIONS IN THE MICROSTRUCTURE OF THE
WALLS OF ARTERIAL COLLATERALS FOLLOWING
DEAFFERENTATION OF THE CANINE HIND LIMB.
[1963] [32p. 62 refs. FASEB manuscript no. S 451-2.
Order from OTS or SLA \$3.60 63-23848
figs. available on loan from OTS

Trans. of Arkhiv Anatomi, Cistologii i Embriologii
(USSR) 1962, v. 43, no. 10, p. 61-70.

DESCRIPTORS: *Blood vessels, *Arteries, Legs,
Histology, Excision, Nerves, *Autonomic nervous
system, *Blood circulation, Reflexes, Dogs.

Elimination of the afferent link in the reflex arc of the
canine hind limbs (deafferentation) has an effect on the
formation of arterial collaterals that develop after
resection of major arteries in the extremity. The wall
structure of the arterial collaterals underwent con-
siderable modification mainly affecting the muscle
(Biological Sciences- Pathology, TT, v. 10, no. 11) (over)

63-23848

- I. Bardina, R. A.
- II. FASEB S-451-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Tekhiver, Yu. T.
HISTOLOGICAL TERMINOLOGY. [1963] [31]p. 30 refs.
FASEB manuscript no. S 68-3.
Order from OTS or SLA \$3.60 63-23053

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 43, no. II, p. 3-II.

DESCRIPTORS: *Histology, Histological techniques,
Identification, Standardization.

(Biological Sciences, TT, v. 10, no. 9)

63-23053

- I. Tekhiver, Yu. T.
- II. FASEB S-68-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Petrov, V. S.

AN ELECTRON MICROSCOPIC STUDY OF THE NERVE CELLS AND CERTAIN EXTRACELLULAR ELEMENTS OF THE GANGLIA OF THE SOLAR PLEXUS, [1963] [22]p. 44 refs FASEB manuscript no. S 69-3.

Order from OTS or SLA \$2.60

Figs. available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 43, no. 11, p. 12-18.

63-23860

- 63-23860
- I. Title: Solar plexus
 - II. Petrov, V. S.
 - III. FASEB S-69-3
 - IV. Federation of American Societies for Experimental Biology, Washington, D. C.
Scripta Technica, Inc.,
Washington, D. C.

DESCRIPTORS: *Electron microscopy, Nerve cells,
*Ganglia, *Autonomic nervous system.

(Biological Sciences--Anatomy, TF, v. 10, no. 11)

Office of Technical Services

Speranakis, V. S.

PULMONARY ZONES AND SEGMENTS FROM THE STANDPOINT OF COMPARATIVE ANATOMY. [1963] [38p] 22refs FASEB Manuscript no.: S 71-3. Order from OTS, SLA, or ETC \$3.50 TT-63-24452 figs. available on loan from OTS Trans. of Arkhiv Anatomi, Gistologii i Embriologii (USSR) 1962 [v. 43] no. 11, p. 29-45. (Abstract available)

DESCRIPTORS: Anatomy, Veins, Arteries, *Lungs, Evolution, Mammals, Contrast media, *Blood circulation.

The pulmonary vessels and bronchi of 160 lung preparations from 20 species of mammals were injected with radiocontrast media and colored masses to study the blood vessel distribution in relation to the lobular and segmental structure of the lungs. A table compares the segmental structure of the human (Biological Sciences--Anatomy, TT, v. 11, no. 5) (over)

TT-63-24452

- I. Speranakis, V. S.
- II. FASEB-S-71-3
- III. Federation of American Societies for Experimental Biology, Washington, D.C.
- IV. Scripta Technica, Inc.,

Office of Technical Services

<p>Gleberman, S. E. AGE MORPHOLOGY OF THE HUMAN VERMIFORM APPENDIX. [1963] [16p] (figs omitted) 16refs FASEB Manuscript no. S 72-3. Order from OTS, SLA or ETC \$1.60 TT-63-23861 figs available on loan from OTS</p> <p>Trans. of <u>Arkhiv Anatomii [Gistologii i Embriologii]</u> (USSR) 1962, v. 43, no. 11, p. 45-52.</p> <p>DESCRIPTORS: *Aging (Physiology), Cytochemistry, Man, *Intestines, Morphology.</p> <p>(Biological Sciences--Anatomy, TT, v. 11, no. 3)</p>	<p>TT- 63-23861</p> <p>I. Title: Vermiform appendix I. Gleberman, S. E. II. FASEB S-72-3 III. Federation of American Societies for Experimental Biology, Washington, D. C. IV. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>	
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Khodos, A. B.
VASCULARIZATION OF THE PENIS. [1963] [18p]
(figs omitted) 34refs FASEB manuscript no. S 73-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13487

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 43, no. 11, p. 52-58.

DESCRIPTORS: *Reproduction system, *Blood vessels.

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

TT-64-13487

- I. Khodos, A. B.
- II. FASEB-S-73-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Astanin, L. P.

ALTERATIONS IN THE PROPORTIONS OF THE
HUMAN HAND. [1963] [33]p. 47 refs. FASEB
manuscript no. S 74-3.
Order from OTS or SLA \$3.60

63-23862

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 43, no. 11; p. 58-67.

DESCRIPTORS: *Arms, Genetics, *Bones, Evolution,
*Anthropometry, Anthropology.

63-23862

- I. Astanin, L. P.
- II. FASEB S 74-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Anatomy, TT, v. 10, no. 11)

Office of Technical Services

Aizenberg, M. F.
THE MORPHOLOGY OF THE SYMPHYSIS PUBIS
[1963] [20]p. 18 refs. FASEB manuscript no. S75-3.
Order from OTS or SLA \$1.60 63-23863
figs available from OTS on loan

Trans. of Arkhiv Anatomii, Cistologii i Embriologii
(USSR) 1962, v. 43, no. 11, p. 68-76.

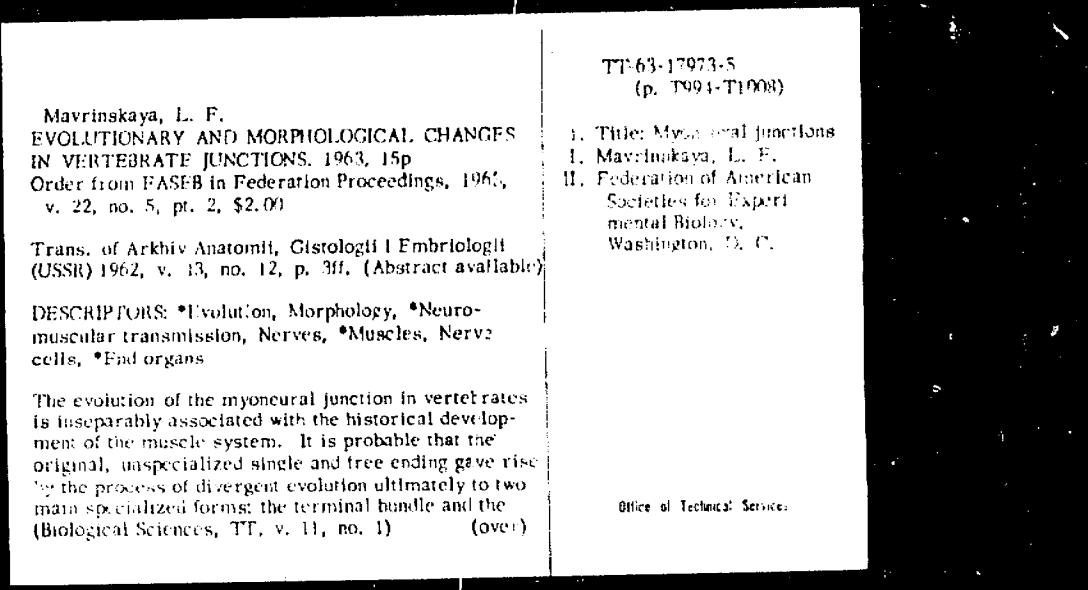
DESCRIPTORS: Morphology, *Bone, *Anatomy,
*Joints (Physiology).

The symphysis pubis exhibits highly original features
including sexual features and individual differences.
In children and the majority of males the symphysis
pubis is most frequently a jointless fusion to which the
term symphysis is properly applied. The appearance
of a fissure in the centre of the fibrocartilage provides
some mobility and converts it into a hemiarthrosis
which is no longer a junction but not yet a full joint.
(Biological Sciences-- Anatomy, TT, v. 10, no. 11)
(over)

63-23863

- I. Title: Symphysis pubis
- II. Aizenberg, M. F.
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services



CYTOCHEMISTRY OF BLOOD GLYCOGEN IN
MAMMALS AFTER SINGLE WHOLE-BODY X-IRRADIATION,
BY A. L. SHABADASH, YU. B., KHEYFETS, 19 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII
EMBRYOLOGII, VOL XLIII, NO 12, 1962, PP 29-35.

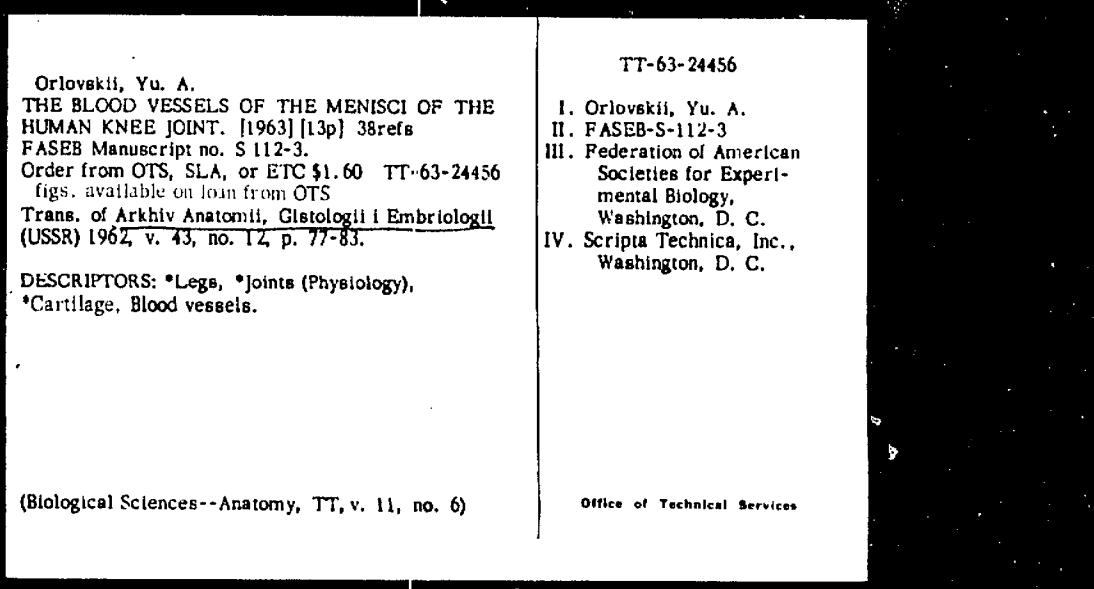
JPRS 18479

SCI - BIOL & MED

APR 63

227,441

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Gurvich, A. S.
THE MORPHOLOGY OF THE NERVE ELEMENTS OF
THE CAROTID SINUS REGION IN KITTENS DURING
THE FIRST MONTH OF LIFE IN NORMAL AND
ANOXIC CONDITIONS. [1963] [17]p. 33 refs. FASEB
manuscript no. S 214-3.
Order from OTS or SLA \$1.60 63-23829

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 74, no. 1, p. 69-77.

DESCRIPTORS: Morphology, *Nerve cells, *Carotid
sinus, *End organs, Cats, Infants, *Hypoxia,
Chemoreceptors.

(Biological Sciences--Pathology, TT, v. 10, no. 11)

63-23829

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- II. FASEB S-214-3
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Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
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Sudzilovskii, F. V. and Khromov, O. P.
MORPHOLOGICAL CHANGES IN THE CERVICAL
PORTION OF THE VERTEBRAL COLUMN IN
WRESTLERS. [1963] [15p] 28refs FASEB Ms
no.: S347-3.

Order from OTS, SLA, or ETC \$1.60 TT-64-13826
figs. available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 2, p. 66-72.

DESCRIPTORS: Morphology (Biology), *Spinal column,
Head, Skeleton, *Musculoskeletal system, Joints
(Physiology), *Adaptation (Physiology), *Exercise,
Recreation.

(Biological Sciences--Physiology, TT, v. 11, no. 8)

TT-64-13826

- I. Sudzilovskii, F. V.
- II. Khromov, O. P.
- III. FASEB-S-347-3
- IV. Federation of American
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mental Biology,
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- V. Scripta Technica, Inc.,
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THE INTRAOORGANIC VENOUS BED OF THE HUMAN
UTERINE TUBE. [1963] [15p] (figs omitted) 13refs
FASEB manuscript no. S350-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13412

Trans. of Akhly Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 2, p. 87-93.

DESCRIPTORS: *Reproductive system, *Veins.

TT-64-13412

- I. Gatsalov, M. D.
- II. FASEB-S-350-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D.
- IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

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DEVELOPMENT OF AFFERENT AND EFFECTOR INNERVATION OF
SOMATIC MUSCULATURE, BY A. A. KLISHOV, 19 PP.

RUSSIAN, PER, ARKHIV ANATOMII GISTOLOGII I EMBRIOLOGII,
VOL X~~V~~, NO 2, 1963, PP 93-102.

JPRS 21415

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Zhdanov, D. A.

G. M. IOSIFOV'S SCIENTIFIC LEGACY AND THE
FUTURE DEVELOPMENT OF THE ANATOMY OF
THE LYMPHATIC SYSTEM. [1963] [33p] FASEB
manuscript no. S 390-3.
Order from OTS, SLA, or ETC \$3.60 TT-64-13401
figs available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 3, p. 3-18.

DESCRIPTORS: *Lymphatic system, Anatomy.

TT-64-13401

- I. Zhdanov, D. A.
- II. Iosifov, G. M.
- III. FASEB-S-390-3
- IV. Federation of American
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Washington, D. C.

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THE ANATOMY OF THE EFFERENT LYMPHATIC
VESSELS OF THE ADULT HUMAN STOMACH,
[1963] [19p] 7 refs FASEB manuscript no.: S 391-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13400
figs available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 3, p. 19-28.

DESCRIPTORS: Anatomy, "Lymphatic system,
"Stomach, Cancer.

TT-64-13400

- I. Revazov, V. S.
- II. FASEB-S-391-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D.C.
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(Biological Sciences--Anatomy, TT, v. 11, no. 9)

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LOCAL CHARACTERISTICS OF THE LYMPHATIC
AND BLOOD VESSELS OF THE JEJUNUM AND
ILEUM IN MAN. [1963] [30p] 47 refs FASER-S-392-3.
Order from OTS, SLA, or ETC \$3.60 TT-64-13399

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 3, p. 28-48.

DESCRIPTORS: "Lymphatic system," "Blood vessels,"
"Intestines."

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

TT-64-13399

- I. Kakharov, A.
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ANATOMY OF THE LYMPHATIC AND BLOOD CAPILLARIES AND VESSELS IN THE WALL OF THE HUMAN RECTUM. [1963] [26p] 43refs FASEB manuscript no. S 393-3.
Order from OTS, SLA, or ETC \$2.60 TT-64-13398
figs available on loan from OTS
Trans. of Arkhiv Anatomii, Gistolodii i Embriologii (USSR) 1963, v. 44, no. 3, p. 48-62.

DESCRIPTORS: Anatomy, *Blood vessels, *Lymphatic system, *Gastrointestinal system, *Capillaries.

TT-64-13398

- I. Abdykerimov, S.
- II. FASEB-S-393-3
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<p>Spirin, B. A. INTERNAL LYMPHATIC SYSTEM OF PENIS. Jan/Feb 64, 9p Order from FASEB \$2.00 in Federation Proceedings Translation Supplement, 1964, v. 23, no. 1 (p. T159-T167)</p> <p>Trans. of <u>Arkhiv Anatomii, Gistologii i Embriologii</u> (USSR) 1963, v. 44, no. 3, p. 68ff.</p> <p>DESCRIPTORS: *Lymphatic system, Lymph, Man, Capillaries, Blood circulation, *Reproductive system, Urinary system.</p> <p>(Biological Sciences--Anatomy, TT, v. 11, no. 10)</p>	<p>TT-64-12541-1 (p. T159-T167)</p> <p>I. Spirin, B. A. II. Federation of American Societies for Experi- mental Biology, Washington, D. C.</p> <p>Office of Technical Services</p>	
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Spirov, M. S.
PRINCIPAL FEATURES OF THE EVOLUTION AND
HOMOLOGY OF THE LYMPH NODES OF THE
ABDOMINAL CAVITY IN MAN. Jan/Feb 64, 7p
Order from PASEB \$2.00 in Federation Proceedings
Translation Supplement, 1964, v. 23, no. 1
(p. T168-T174)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 3, p. 91ff.

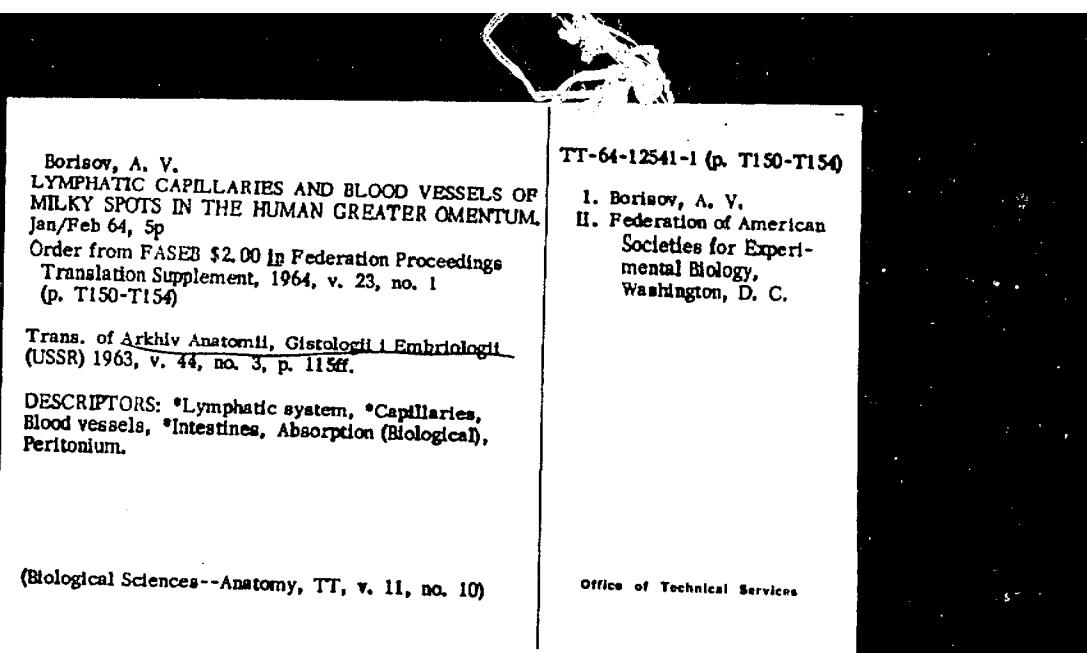
DESCRIPTORS: *Evolution, *Lymphatic system,
Glands, Man, *Abdomen.

(Biological Sciences, TT, v. 11, no. 10)

TT-64-12541-1 (p. T168-T174)

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STRUCTURE OF THE PERINEURAL SPACES AND
EFFERENT LYMPHATIC ROUTES FROM CEREBRO-
SPINAL NERVES. [1963] [14p] 24refs FASEB
manuscript no. S 397-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13479
figs. available on loan from OTS
Trans. of Arkhiv Anatomii, Cistologii i Embriologii
(USSR) 1963, v. 44, no. 3, p. 121-127.

DESCRIPTORS: Body fluids, *Nerves, *Spinal cord,
*Lymphatic system, Lymph, Morphology (Biology).

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

TT-64-13479

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- III. Federation of American
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Membrane in Chick Embryo, by E. I. Skalnitskiy,
V. F. Kondalenko, 9 pp.
RUSSIAN, per, Arkhiv Anatomii, Cistologii i
Embriologii, Vol 44, No 4, 1963, pp 44-47.
AEC ANL TR-364

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DEVELOPMENT OF THE LARYNGEAL CAVITY IN
HUMAN EMBRYOGENESIS. [1963] [13p] 11refs
FASEB Ma no.: S543-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13829
figs. available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 4, p. 100-105.

DESCRIPTORS: *Embryos, Growth (Physiology),
*Throat.

TT-64-13829

- I. Petrova, R. M.
- II. FASEB-S-543-3
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Some of the Problems Related to Somatic Cyto-
genesis, by S. I. Shchelkunov, 33 pp.
RUSSIAN, per, Arkhiv Anatomii, Gistologii i
Emбриологии, Vol 44, No 5, 1963, pp. 3-25.
JPRS 41369

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REACTIVE CHANGES IN THE EPIDERMIS AFTER THERMAL INJURY, BY G. YA. GRAFOVA, 13 PP.

RUSSIAN, PER, ARKHIV ANATOMII GISTOLOGII I EMBRIOLOGII VOL XLIV, NO 5, 1963, PP 26-36, ~~26-35~~

JPRS 21170

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Zhenevskaya, R. P.

THE SIGNIFICANCE OF SENSORY NEURONS IN
THE STRUCTURE AND REGENERATION OF
SKELETAL MUSCULATURE (Znachenie
Chuvstvitel'nogo Neirona dlya Stroenija i
Regeneratsii Skeletnoi Muskulatury). [1964] [21p]
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Order from OTS, SLA, or ETC \$2.60 TT-64-15504
Figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 5, p. 57-62.

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CYTOCHEMICAL STUDIES OF GLYCOGEN THE CENTRAL NERVOUS
SYSTEM OF THE FROG AFTER GAMMA-IRRADIATION, BY
A. L. SHABADASH, S. O. YENENKO, ET AL, 17 PP

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VOL XLIV, NO 5, 1963, PP ~~26~~56, 96-105

JPRS 21170

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37-4688
31 May 67

Problems of Somatic Cytogenesis by S.I. Shokunov,
pp 3-25,

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No. 5, Leningrad, 1963

Russian
USSR/Sci/Bio
incl. graphics

pp= o.k to mutilate,

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QUANTITATIVE STUDY OF FROG OOCYTES IN CONNECTION
WITH SOME MORPHOLGIC AND CYOCHEMICAL PROBLEMS, BY
P; V. MAKAROV, 12 PP.

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOGII I EMBRIO-
LOGII, VOL XLIV, NO 6, JUNE 1963, PP 21-29

JPRS 20980

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SEP 63

343,241

DNA Synthesis and Proliferation of
Nuclei in Regeneration of Skeletal Muscles,
by L. N. Zhinkin, L. F. Andreeva.
RUSSIAN, per, Arkhiv Anatomii Gistologii i
Embriologii, Vol 44, No 6, 1963, p 30ff.
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NUCLEIN METABOLISM IN REGENERATION OF SKELETAL
MUSCULATURE UNDER VARIOUS CONDITIONS OF ROENTGEN
IRRADIATION, BY YE. V. DMITRIYEVA, 12 PP.

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JPRS 20997

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Grazenitskii, E. M.
CYTOCHEMICAL CHANGES IN ALBINO RAT NERVE
AND LIVER CELLS IN HYPERTHERMIA
(Tsitokhimicheskii izmeneniya Nervnykh i
Pechenochnykh Kletok Beloi Krysy pri Gipertermii).
[1964] [28p] 49refs FASEB Ms no.: S708-3.
Order from OTS, SLA, or ETC \$2.60 TT-64-15505
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Cistologii i Embriologii
(USSR) 1963, v. 44, no. 6, p. 54-61.

(Biological Sciences--TT, v. 12, no. 3)

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Etingen, L. E.
APPLICATIONS OF FLUORESCENCE MICROSCOPY
IN STUDY OF OVARIAN FUNCTIONAL MORPHOLOGY
(Vozmozhnost' Primeneniya Lyuminestsentnol
Mikroskopii dlya Izucheniya Funktsional'noi Morfologii
Yatchnika). [1964] [31p] 40refs. PASEB Ma no. S709-3.
Order from: OTS, SLA, or ETC \$3.00 TT-64-15455
Trans. of Arkhiv Anatomii, Cistologii i Embriologii
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(Biological Sciences--Anatomy, TT, v. 12, no. 3)

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MORPHOLOGICAL BASIS FOR THE ULTRASONIC AND CONIC
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JPRS 2A038

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STRUCTURAL FEATURES OF THE OCCIPITAL
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VARIOUS ECOLOGICAL GROUPS OF LOWER AND
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Zatylochnoi Oblasti Bol'shikh Polusharil u Raznykh
Ekologicheskikh Grupp Nizshikh i Vysshikh Obez'yan).
[1964] [27p] 11refs FASEB Me no.: 5711-3
Order from OTS, SLA, or ETC \$2.60 TT-64-15506
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 45, no. 7, p. 18-26.

(Biological Sciences--Zoology, TT, v. 12, no. 5)

TT-64-15506

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<p>Karmanova, I. G. and Shapiro, B. I. SUPRAOPTIC AND PARAVENTRICULAR CELL CLUSTERS OF THE ANTERIOR HYPOTHALAMUS IN PHOTOCENIC CATALEPSY (O Supraopticheskikh i Paraventrikulyarnykh Kletochnykh Skopleniyakh Pereidnego Gipotalamus pri Fotogennoi Katalepsi). [1964] [30p] (foreign text included) FASEB M# no.: S712-3. Order from OTS, SLA, or ETC \$2.60 TT-64-15507 figs available on loan from OTS</p> <p>Trans. of <u>Arkhiv Anatomii, Gistologii i Embriologii</u> (USSR) 1963, v. 45, no. 7, p. 34-41.</p> <p>(Biological Sciences, TT, v. 12, no. 3)</p>	<p>TT-64-15507</p> <p>I. Karmanova, I. G. II. Shapiro, B. I. III. FASEB-S-712-3 IV. Federation of American Societies for Experi- mental Biology, Washington, D. C. V. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>
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Sergeev, K. K.
COMPARATIVE MORPHOLOGY OF EXTEROCEPTORS
IN MAMMALIAN SKIN (Srovmitel'naya Morfologiya
Eksteroreceptatorov Kozi Mlekopitayushchikh). [1964]
[29p] (foreign text included) 19refs FASEB Ms no.:
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Order from OTS, SLA, or ETC \$2.60 TT-64-15508
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Naddachina, T. A. and Smol'yannikov, A. V.
TYPES OF CARDIAC BLOOD SUPPLY AND MODIFICATIONS IN CONNECTION WITH AGE AND IN
PATHOLOGIC STATES (K Soetoymiyu Voprosa o Tipakh
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Manuscript no.: S 717-3.
Order from OTS, SLA, or ETC \$3.60 TT-64-15511
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(USSR) 1965, v. 45, no. 3, p. 44-54.

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- I. Naddachina, T. A.
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(Biological Sciences--Pathology, TT, v. 12, no. 3)

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Evolutionary and Age Morphology of Bronchial
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RUSSIAN, per, Arkhiv Anatomii, Gistologiy i Embri-
ology, Vol 45, No 8, 1963, p 55 ff.
FASEB

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Anal'nogo Kanala). [1964] [19p] (foreign text included)
2refs FASEB Ms no.: S719-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-15485
figs available on loan from OTS

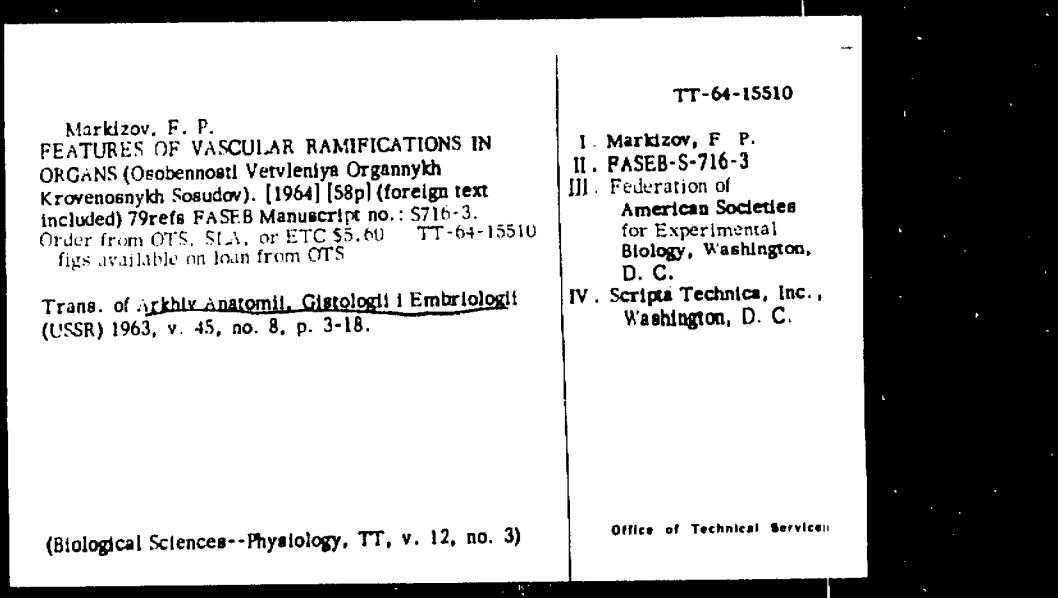
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Structural Organization of Inferior
Mesenteric Ganglion, by S. V. Kuz'mina.
RUSSIAN, per, Arkhiv Anatomii Gistologii i
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Semenov, S. P.
AN EXPERIMENTAL AND MORPHOLOGICAL STUDY
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(Eksperimental'no-Morfologicheskoe Issledovaniye
Afferentnykh Osnochannih Ruzlichnykh Serdechnykh
Nervov). [1964] [43p] (foreign text included) 30 refs
FASEB Ms no.: S861-3.
Order from OTS, SLA, or ETC \$4.60 TT-64-15509
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Trans. of Archiv Anatomii, Gistologii i Embriologii
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The Autonomic Periphery - Structure and Reactive
Properties, by I. F. Ivanov and T. N. Radostina,
37 pp.
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JPRS 41522

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at the Anal Junction in Acute Radiation Sicknes, by K. M. Svetikova,
13 pp.

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No 10, 1963, pp 51-58.

JPRS 22556

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